



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

**Leader Industries, Inc.
P.O. Box 40913
Nashville, TN 37204**

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model DC-436 4" Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **FL 00181**, titled "DC-436 Aluminum Fixed Louver Panel", Sheets 1 through 7 of 7, dated 07/02/2007, with revision B dated 01/24/2012, prepared by the manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 07-1105.04 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Carlos M. Utrera
04/24/2012

NOA No. 12-0208.07
Expiration Date: February 7, 2013
Approval Date: May 3, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **FL 00181**, titled "DC-436 Aluminum Fixed Louver Panel", Sheets 1 through 7 of 7, dated 07/02/2007, with revision B dated 01/24/2012, prepared by the manufacturer, signed and sealed by Luis R. Lomas, P.E.

B. TESTS "Submitted under NOA # 07-1105.04"

1. Test report on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Fixed Louver Panels, prepared by National Certified Testing Laboratories, Test Report No. **210-3368-2**, dated 01/22/2007, signed and sealed by Gerard J. Ferrara, P.E.

C. CALCULATIONS "Submitted under NOA # 07-1105.04"

1. Anchors calculations, dated 10/15/2007 and 12/17/2007, issued, signed and sealed by Luis R. Lomas, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

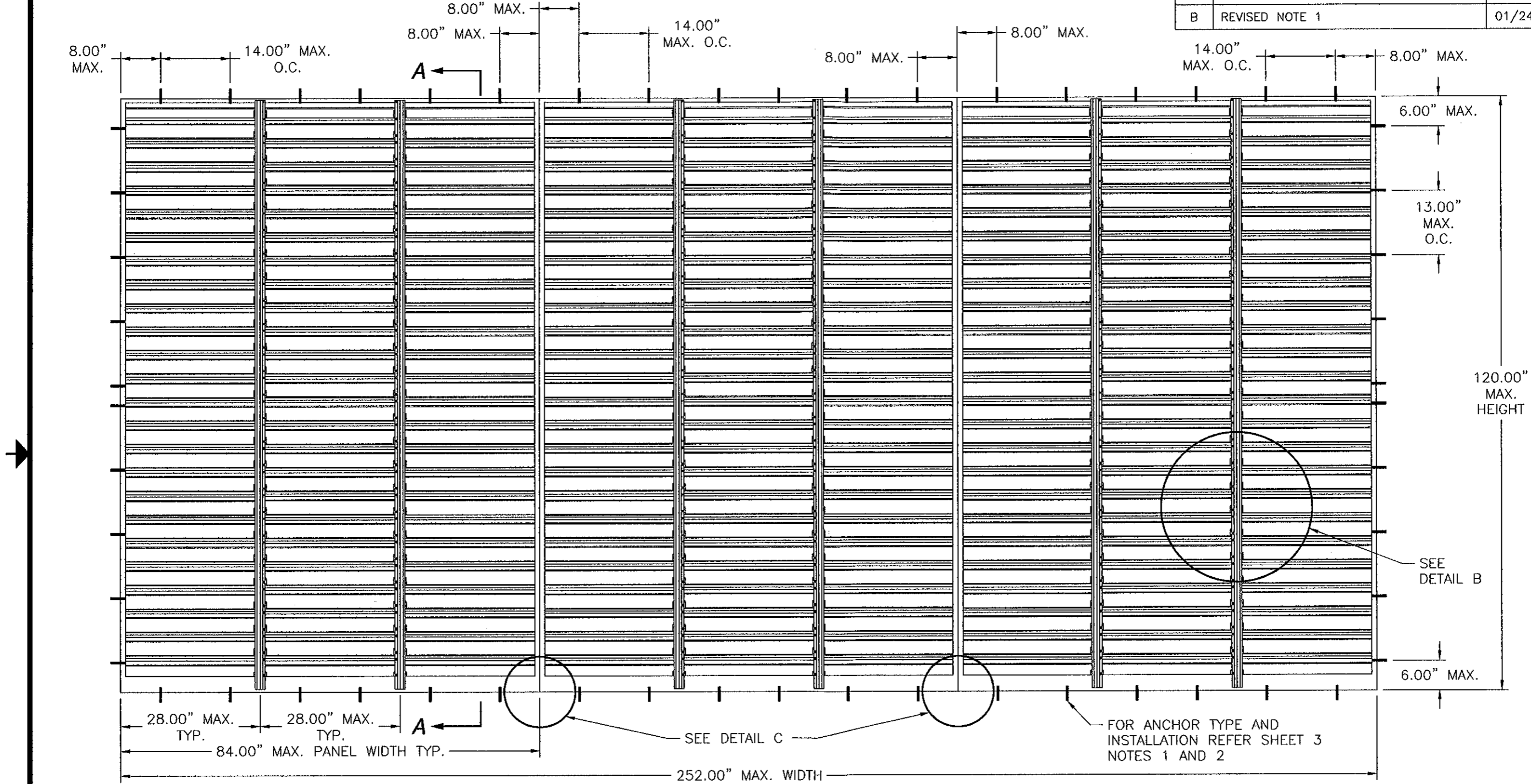
1. Statement letter of code conformance to 2010 FBC and no financial interest, dated 01/24/2012, issued, signed and sealed by Luis R. Lomas, P.E.


04/24/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0208.07

Expiration Date: February 7, 2013
Approval Date: May 3, 2012

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.
B	REVISED NOTE 1	01/24/12	R.L.



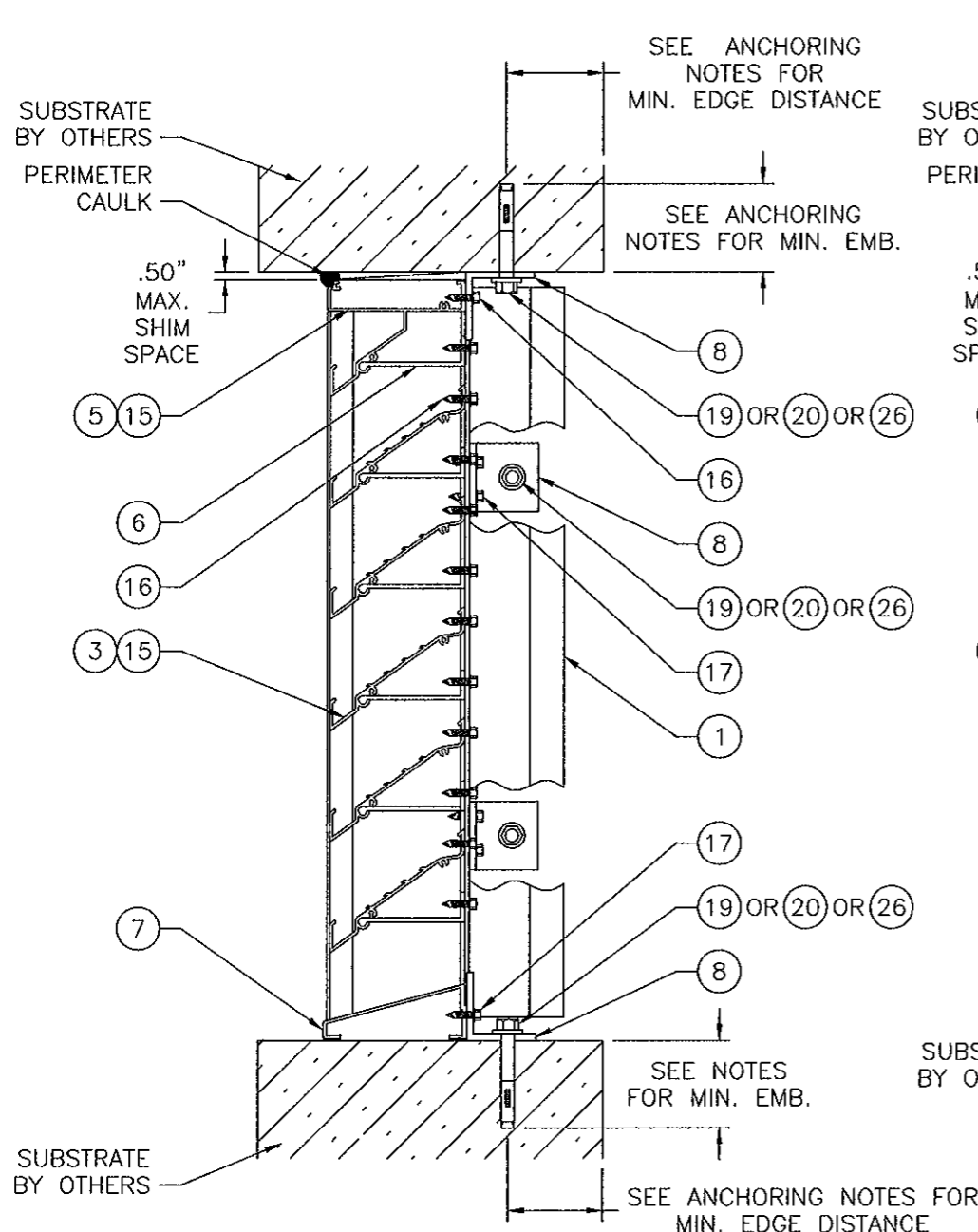
DC-436 MULTIPLE ALUMINUM FIXED LOUVER
 (3) THREE PANELS SHOWN, UNLIMITED NUMBER OF PANELS IS APPLICABLE
 AS LONG AS INDIVIDUAL PANELS DO NOT EXCEED PANEL SIZE AS SHOWN.

DESIGN PRESSURE RATING
 ±100.0 PSF

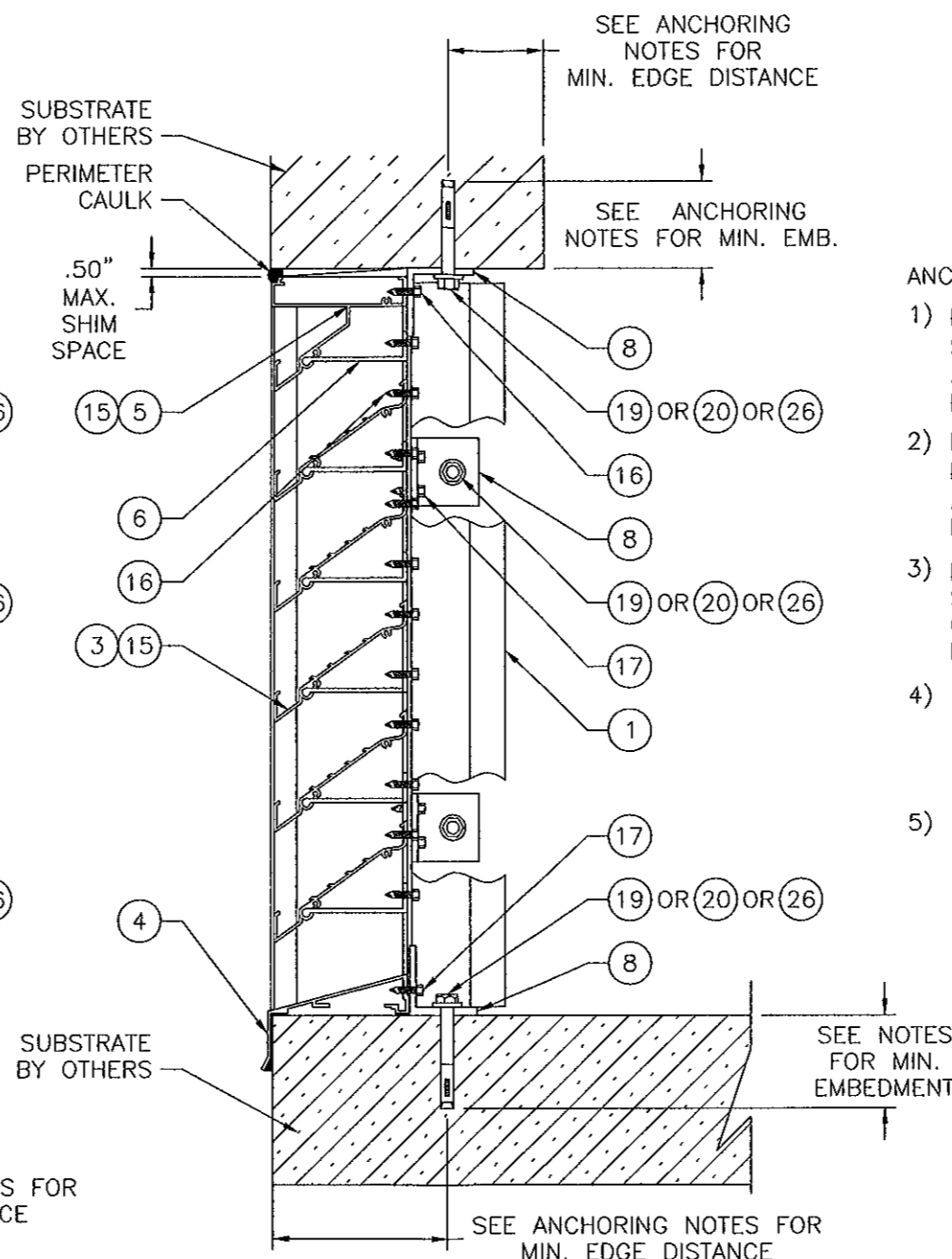
LARGE MISSILE IMPACT

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>12-0208.07</u> Expiration Date <u>02/07/2013</u> By <u>[Signature]</u> Miami Trade Product Control		LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204		 01/23/2012 Luis R. Lomas P.E. Florida No. 62514
		DC-436 ALUMINUM FIXED LOUVER PANEL MULTIPLE PANEL ELEVATION AND ANCHORING LAYOUT		
DRAWN: R.L.	DWG NO. FL 00181	REV B		
SCALE NTS	DATE 7/02/07	SHEET 2 OF 7		

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.
B	REVISED NOTE 1	01/24/12	R.L.



SECTION A-A
DC-436-1 INSTALLATION



SECTION A-A
DC-436-2 INSTALLATION

ANCHORING NOTES:

- 1) FOR CONCRETE INSTALLATION USE 3/8" HILTI KWIK BOLT 3 WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/2" MINIMUM EMBEDMENT WITH 3" MINIMUM EDGE DISTANCE. LOCATE ANCHORS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 2) FOR WOOD FRAMING AND METAL FRAMING WITH WOOD BACKER INSTALLATION USE 5/16" LAG BOLTS WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/2" MINIMUM EMBEDMENT. LOCATE BOLTS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 3) FOR STEEL DECKING INSTALLATION USE 1/4" TEK SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM PENETRATION OF 3 PITCHES OF THREAD BEYOND METAL STRUCTURE. LOCATE SCREWS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 4) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW.
- 5) INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:
A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.46
B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
C. STEEL DECKING - 12 GAUGE MINIMUM WITH 36KSI MINIMUM YIELD STRENGTH.
D. METAL FRAMING - 20 GAUGE MINIMUM WITH WOOD BACKER.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0209-07
Expiration Date 02/07/2013
By *[Signature]*
Miami Dade Product Control

LEADER INDUSTRIES, INC.

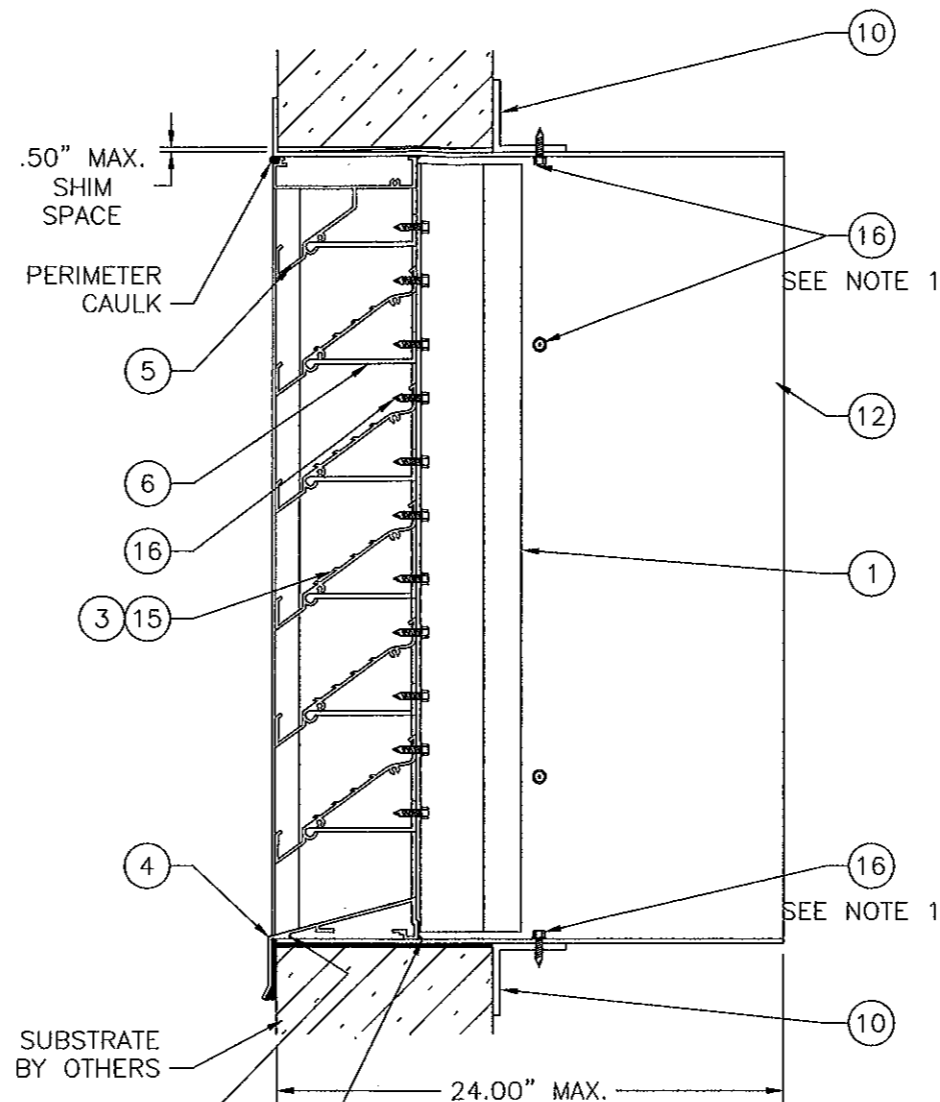
2500 CRUZEN STREET
NASHVILLE, TN 37204

DC-436 ALUMINUM FIXED LOUVER PANEL
INSTALLATION DETAILS

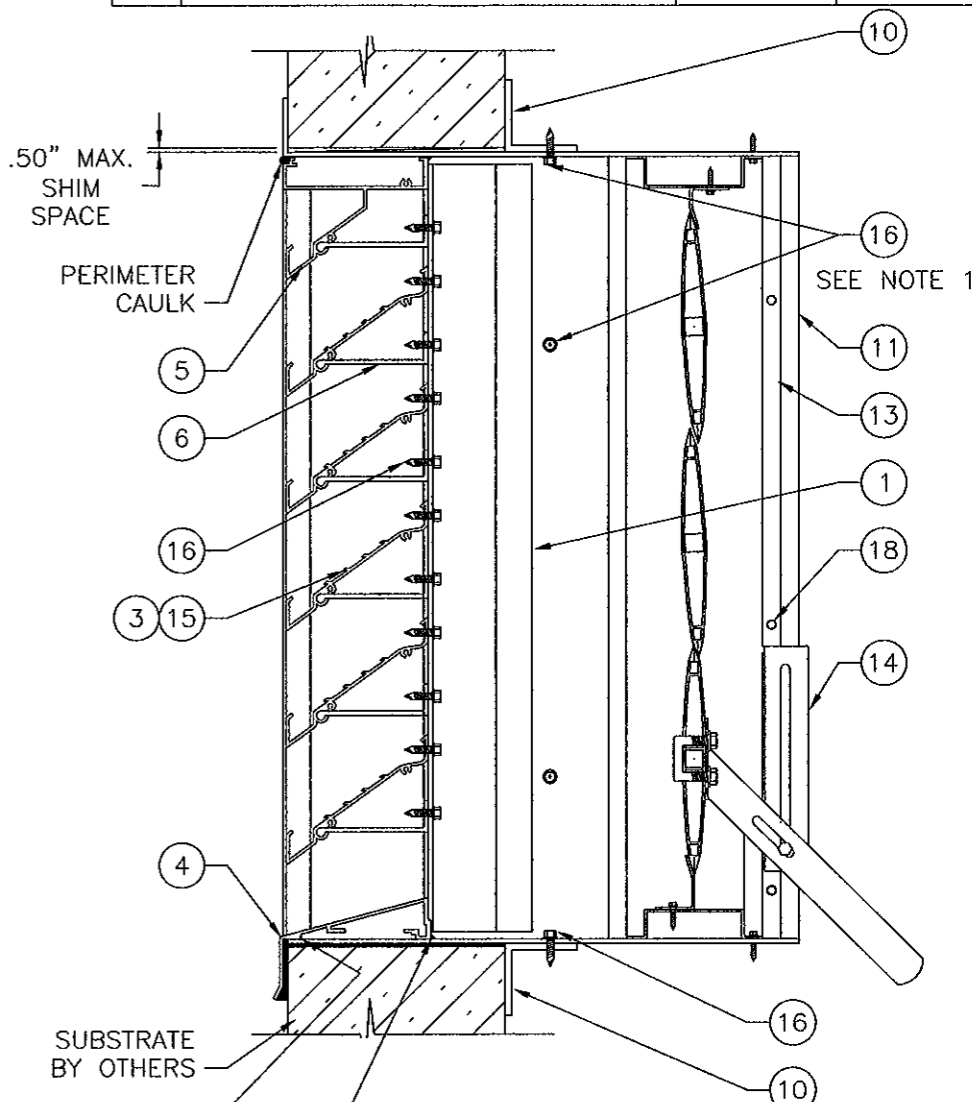
DRAWN: R.L.	DWG NO. FL 00181	REV. B
SCALE NTS	DATE 7/02/07	SHEET 3 OF 7

[Signature]
01/23/2012
Luis R. Lomas P.E.
Florida No. 62514

PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1		VERTICAL BLADE SUPPORT, AL 6063-T5
2		JAMB, AL 6063-T5
3		BLADE , AL 6063-T5
4		SILL FLANGE, AL 6063-T5
5		HEAD, AL 6063-T5
6		BLADE SUPPORT, AL 6063-T5
7		SILL, AL 6063-T5
8		2 X 2 X 3/16 X 2" LONG ANGLE, AL 6063-T5
9		2 X 4 X 3/16 CONTINUOUS ANGLE, AL 6063-T5
10		2 X 2 X 3/16 CONTINUOUS ANGLE, AL 6063-T5
11		.101" THICK SLEEVE, AL 3003-H14
12		.101" THICK FLANGED SLEEVE, AL 3003-H14
13		DAMPER EAD
14		HAND QUADRANT
15		#8 X 1/2 TEK SCREW
16		#12 X 7/8 TEK SCREW
17		#12 X 1 TEK SCREW
18		#14 X 7/8 TEK SCREW
19		5/16 LAG BOLT
20		3/8" HILTI KWIK BOLT 3
21		MULLION CLIP
22		2 X 4 X 1/4 X 120 LONG MULLION AL 6063-T5
23		C4 X 5.4 CHANNEL , STEEL
24		3/8-16 X 1" HH W/ WASHER AND NUT SST
25		3/8-16 X 1 1/5 HH W/ WASHER AND NUT, SST
26		1/4" TEK SCREW
27		MULLION CLIP



SECTION A-A
DC-436-4 INSTALLATION



SECTION A-A
DC-436-4 W/ EAD DAMPER
INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.
B	REVISED NOTE 1	01/24/12	R.L.

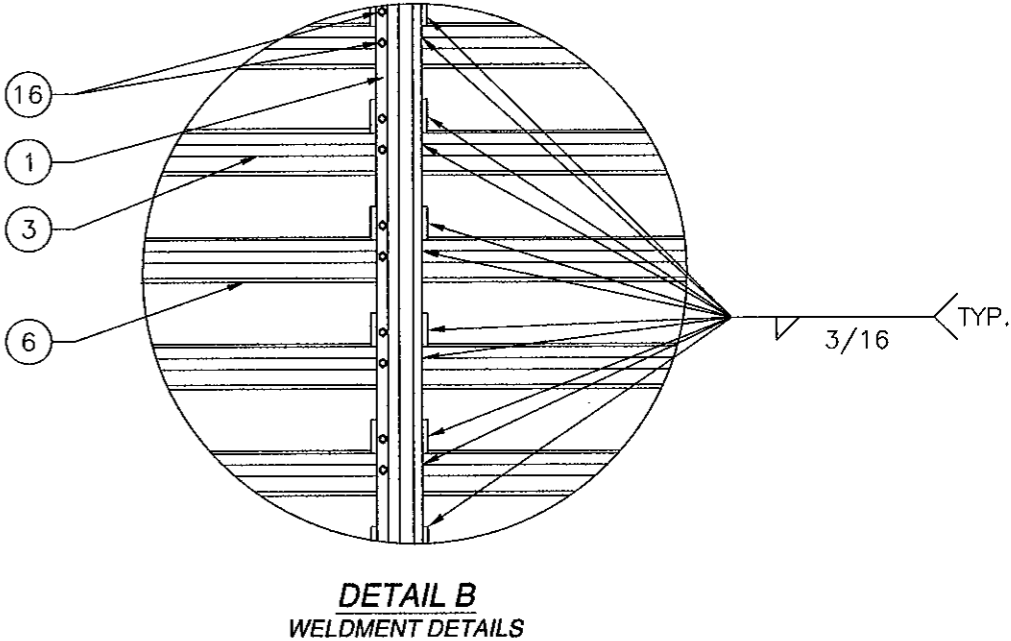
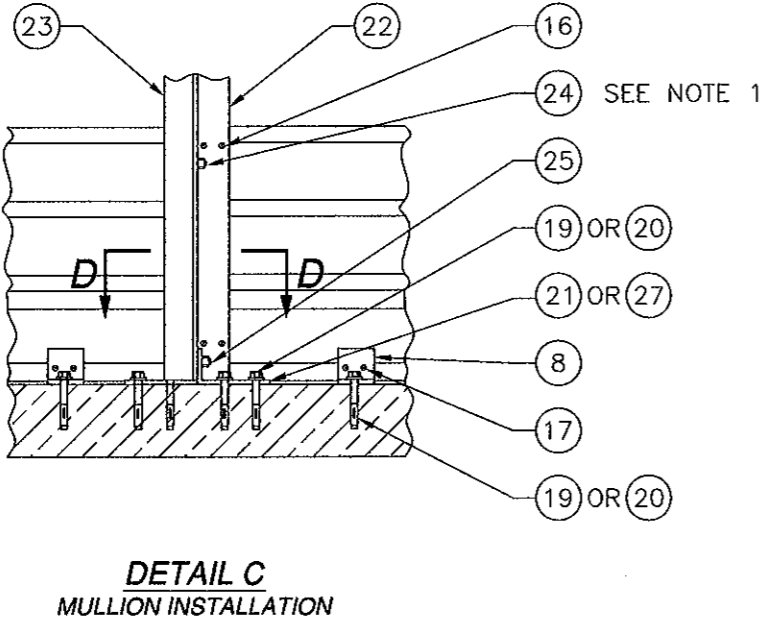
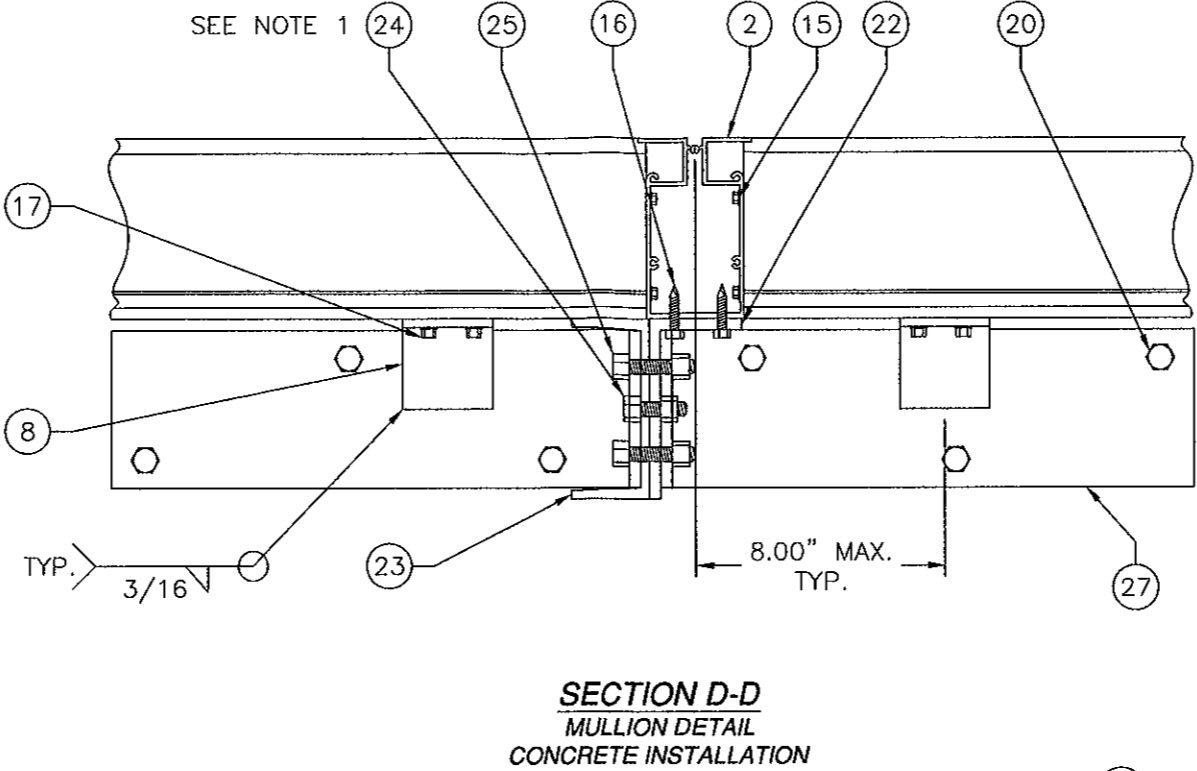
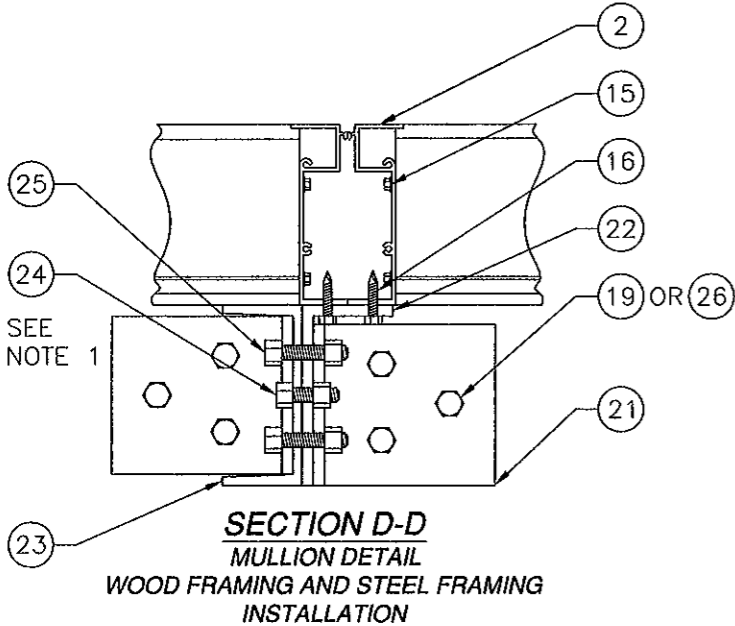
NOTES:

- 1) LOCATE ITEM 16, 6" FROM EACH CORNER AND 9" MAX. O.C. AT JAMBS AND 6" MAX. FROM EACH CORNER AND 13 1/2" MAX. O.C. AT HEAD AND SILL.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 12-0108.07 Expiration Date 02/07/2013 By <i>[Signature]</i> Miami Dade Product Control		LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204	
DC-436 ALUMINUM FIXED LOUVER PANEL INSTALLATION DETAILS AND B.O.M.		DRAWN: R.L. DATE 7/02/07 DWG NO. FL 00181 REV B	
SCALE NTS		SHEET 5 OF 7	

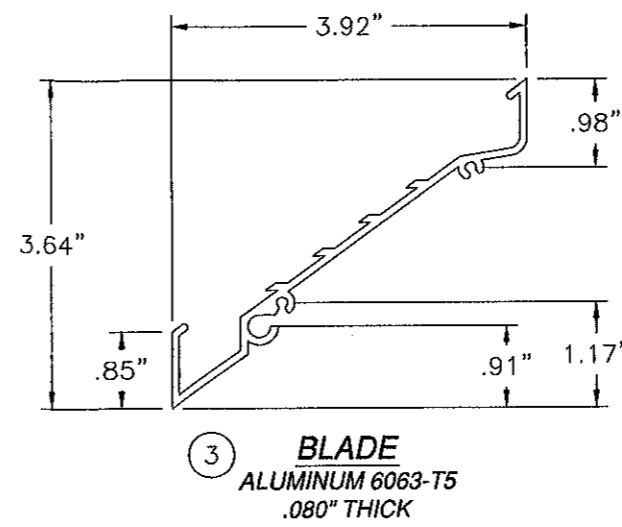
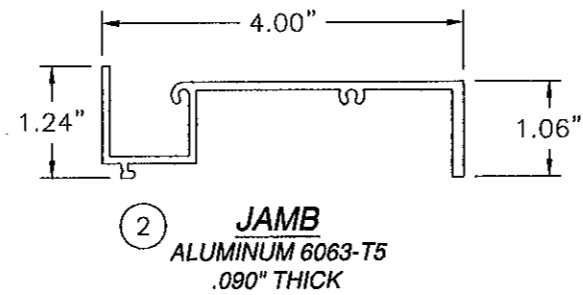
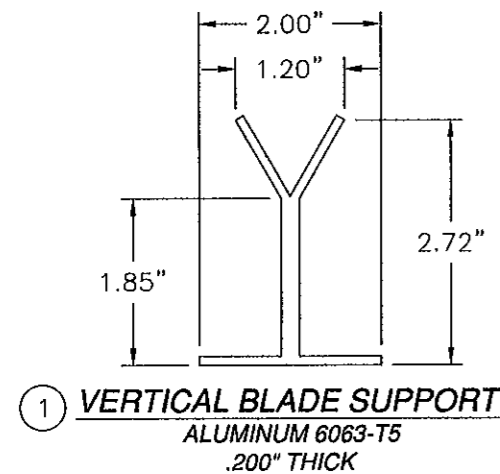
[Signature]
 01/23/2012
 Luis R. Lomas P.E.
 Florida No. 62514

REVISIONS			
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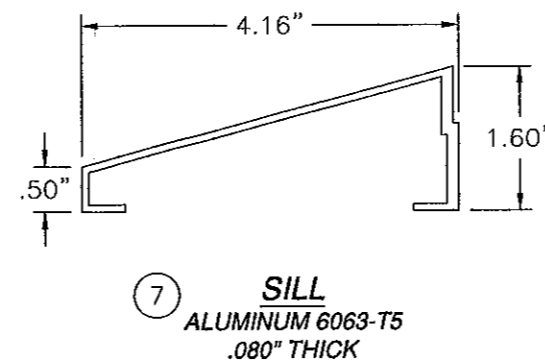
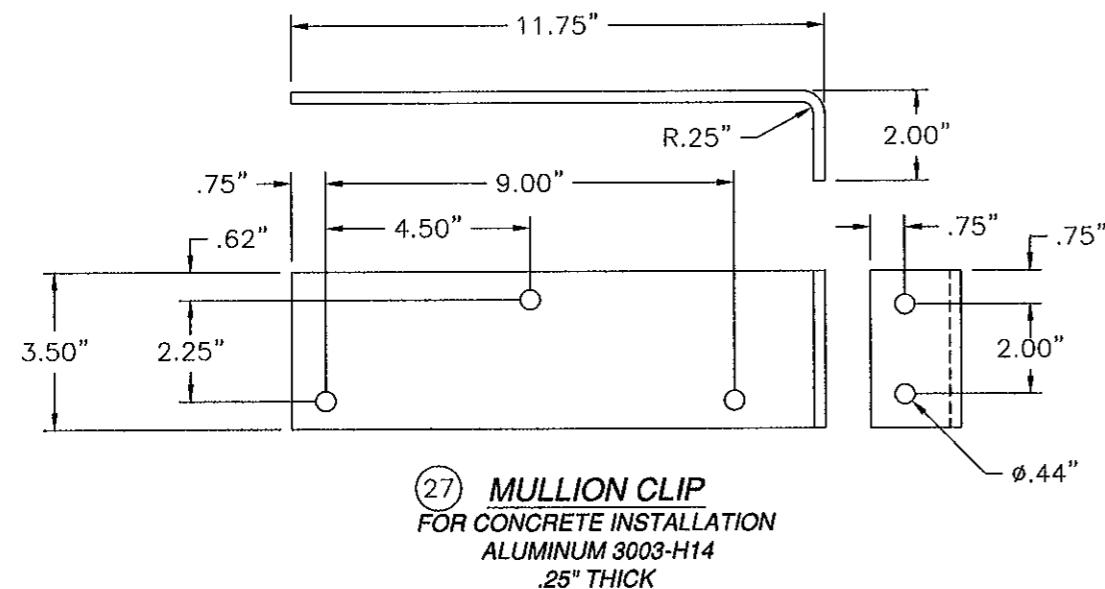
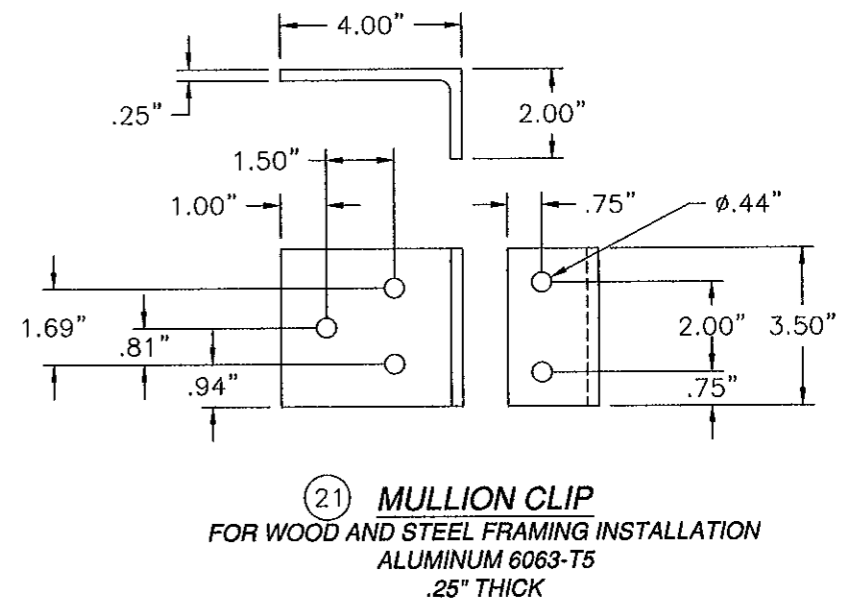
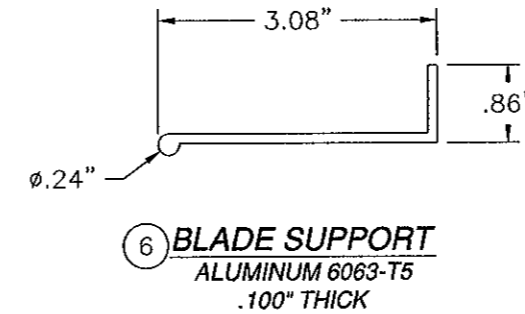
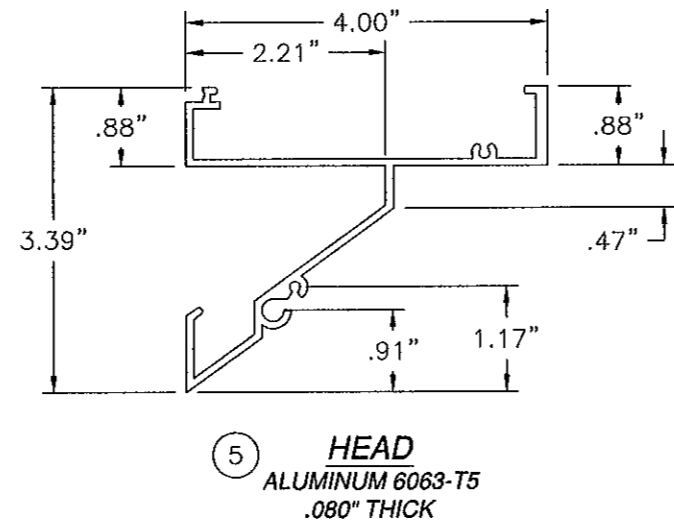
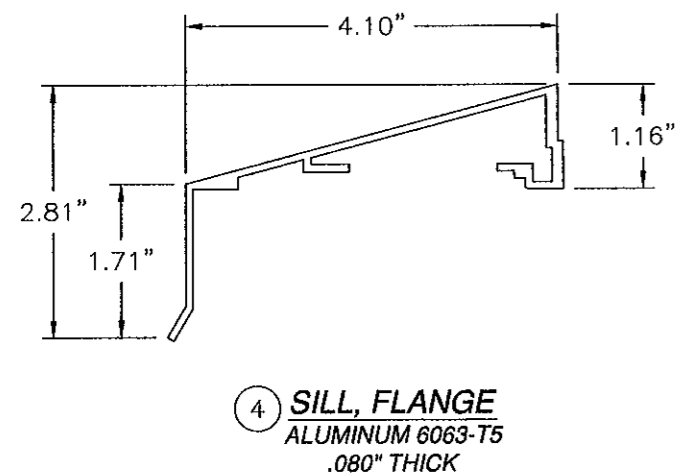


- NOTES:
- 1) LOCATE ITEM 24, 6" FROM EACH END AND 24" MAX. O.C. THEREAFTER.
 - 2) ATTACH BLADES TO JAMBS USING ITEM 16 BEFORE WELDING BLADES TO JAMBS. WELD BLADES TO JAMBS WITH 3/16" WELDS. SEE DETAIL B.
 - 3) WELD HEAD FRAME TO JAMBS AT EACH END.
 - 4) SLEEVES TO BE FULLY WELDED AT CORNERS.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>12-0208.07</u> Expiration Date <u>02/07/2013</u> By <u>[Signature]</u> Miami Dade Product Control		LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204 DC-436 ALUMINUM FIXED LOUVER PANEL INSTALLATION DETAILS		REV B
DRAWN: R.L.		DWG NO. FL 00181		DATE 7/02/07
SCALE NTS		SHEET 6 OF 7		Luis R. Lomas P.E. Florida No. 62514 01/23/2012



REVISIONS			
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PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0708-07
Expiration Date 02/07/2013
By *[Signature]*
Miami/Dade Product Control

LEADER INDUSTRIES, INC.
2500 CRUZEN STREET
NASHVILLE, TN 37204

DC-436 ALUMINUM FIXED LOUVER PANEL
COMPONENTS

DRAWN: R.L.	DWG NO. FL 00181	REV B
SCALE NTS	DATE 7/02/07	SHEET 7 OF 7

[Signature]
01/23/2012
Luis R. Lomas P.E.
Florida No. 62514